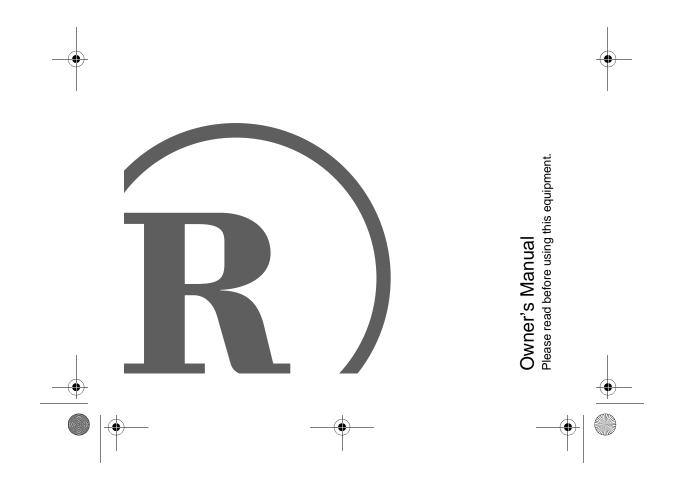


CD-3904 Portable CDwith 10-Second Super Anti-Shock











Contents

5
5
6 6
7
_
7
7 8
8
U
8
8
9
9
9
10
10
10
10
11
11
11
11
12
13
14
14
15

THE FCC WANTS YOU **TO KNOW**

This CD player is made and tested to meet exacting safety standards. It meets FCC requirements and complies with safety performance standards of the U.S. Department of Health and Human Services.

Warnings:

- This CD player employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.
- The use of controls, adjustments, or procedures other than those specified herein might result in hazardous radiation exposure.

This equipment complies with the limits for a Class B digital device as specified in Part 15 of FCC Rules. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference, even when it is operating properly.

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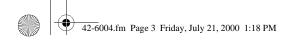
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To eliminate interference, you can try one or more of the following corrective measures:

- reorient or relocate the receiving antenna
- increase the distance between the equipment and the radio or TV

 use outlets on different electrical circuits for the equipment and the radio or TV

Consult your local RadioShack store if the problem still exists.

You must use shielded interface cables with this equipment.



Your RadioShack Portable CD Player uses the latest digital audio technology to deliver the clean, crisp sound of compact discs. You can use optional stereo earbuds for portable, private listening, or you can connect the CD player to your home audio or vehicle's sound system using an optional adapter. The CD player's other features include:

Super Anti-Shock System — rapidly scans 10 seconds of data from the CD and stores it in memory for uninterrupted play with no sound skip, even when the CD player is exposed to shocks or vibration. This makes this CD player excellent for use in your vehicle.

Programmable Play — lets you program and play up to 20 tracks in any sequence you choose.

Extended (E-) Bass System — creates a fuller bass sound.

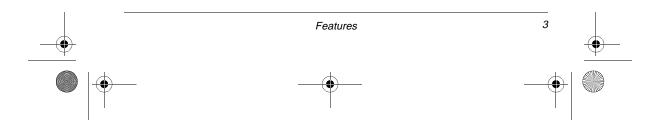
Auto Power Off — automatically turns the CD player off 30 seconds after it finishes playing, or when you press **STOP** (without pressing another button), to help preserve battery life.

1-Bit DAC — uses the latest in digital-to-analog conversion circuitry to accurately reproduce all sound levels with virtually no distortion.

Eight-Times Over-sampling with Digital Filtering — improves the CD's sound by multiplying the standard 44.1 kHz sample rate by eight and using a digital filter to reduce or eliminate distortion.

Intro Scan — scans and plays the first 10 seconds of each track, so you can find a specific track.

Repeat Play — lets you automatically repeat a single track, an entire CD, or a programmed sequence.









Random Play — lets you randomly select and play tracks from the loaded CD in the player.

Hold — prevents accidentally changing the CD player's control settings during play and preserves battery life by locking most controls.

Charge Indicator — lets you monitor charging status.

Phones Jack — lets you connect your CD player to optional headphones, earphones, or speakers.

Line Out Jack and Supplied Y-Cable — make it easy to connect the CD player to a sound system's low-level inputs.

Automatic Search Music System (**ASMS**) — lets you quickly locate and play any track on a CD.

Three Power Sources — let you power your CD player from two standard AA batteries (or special rechargeable Ni-Cd batteries), your vehicle's battery using an optional DC adapter, or standard AC power, using an optional AC adapter.

Eight-Hour Battery Life — you can play your CD player for up to 8 hours on just two fresh alkaline AA batteries (with the anti-shock feature turned off).

5- or 3-Inch CD Compatible — you can play either size CD in your CD player.

Important: You need a pair of stereo headphones, earphones, or amplified speakers, or a home audio or auto sound system to use your CD player. Your local RadioShack store carries a complete line of headphones, earphones, speakers, and audio system.

CDs that can be played on this CD player have this mark on them:



The CD player's advanced technology makes it simple to operate. However, be sure you read this Owner's Manual completely so you can take advantage of all its advanced features.



















Powering the CD Player

You can power your CD player from any of these sources:

- two AA alkaline batteries (not supplied)
- two rechargeable AA nickelcadmium (Ni-Cd) batteries (not supplied)
- vehicle battery power using a DC adapter (not supplied)
- · standard AC power using an AC adapter (not supplied)

Note: The CD player senses whether or not the batteries you install are rechargeable and turns on the charging circuit or disconnects the batteries accordingly, provided the correct batteries are installed.

USING BATTERIES

Your CD player can use two AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

You can also use rechargeable Ni-Cd batteries to power your CD player.

Cautions:

• Use only fresh (or freshly charged) batteries of the required size and recommended type.

 Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Note: Before you use the CD player with Ni-Cd batteries, you need to charge them, either in an external battery charger (available at your local RadioShack store) or in the CD player (see "Recharging Nickel-Cadmium Batteries" on Page 6).

Follow these steps to install batteries.

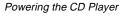
- 1. Slide the battery compartment cover in the direction of the arrow to remove it.
- 2. Place the batteries in the compartment and on top of the attached ribbon, as indicated by the polarity symbols (+ and -) marked inside.
- 3. Replace the cover.

When I flashes, the sound becomes weak or distorted, or the CD player stops operating properly, replace the batteries.

Warning: Dispose of old batteries promptly and properly. Do not burn or bury them.

Caution: If you do not plan to use the CD player with batteries for a month



























or longer, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

Recharging Nickel-Cadmium Batteries

If you connect an AC or DC adapter to the CD player (see "Using AC or DC Power"), you can set the CD player to charge RSU 11672508 Ni-Cd batteries inside the CD player's battery compartment.

Cautions:

- · Use only an AC or DC adapter that meets the specifications in "Using AC or DC Power" to recharge the batteries in the CD player. Other adapters could damage your CD player or the batteries.
- · Ni-Cd batteries charge more efficiently if the temperature is above 40°F (4.5°C) and below 90°F (32°C).

Follow these steps to charge Ni-Cd batteries in the CD player.

- 1. Connect an AC or DC adapter to your CD player.
- 2. Place two Ni-Cd batteries in the compartment and on top of the attached ribbon, as indicated by the polarity symbols (+ and -) marked inside. The CD player starts to charge the batteries. Ini-

tial and subsequent charging takes about 16 hours.

Note: While charging rechargeable Ni-Cd batteries, the CHARGE indicator lights.

3. When the batteries are fully charged, disconnect the AC or DC adapter.

Important: The **EPA** certified RBRC® Battery Recycling Seal on a Ni-Cd battery indicates RadioShack is voluntar-



ily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is part of the company's commitment to preserving environment and conserving our natural resources.

USING AC OR DC POWER

You can power the CD player using a 4.5V, 600 mA AC or DC adapter and a size B Adaptaplug™ connector





Powering the CD Player













(neither supplied). Both are available at your local RadioShack store.

Cautions:

You must use a (Class 2) power source that supplies 4.5V DC and delivers at least 600 mA. Its center tip must be set to positive and its plug must fit the CD player's DC IN 4.5V jack. Using an adapter that does not meet these specifications could damage the CD player or the adapter.

 Always connect the AC adapter to the CD player before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the CD player.

Follow these steps to connect the CD player to AC or DC power.

- Insert the size B Adaptaplug into the AC or DC adapter's cord so it reads TIP +.
- 2. Set the adapter's voltage switch to 4.5V, as necessary.
- 3. Insert the barrel plug into the CD player's **DC IN 4.5V** jack.
- Depending on the type of adapter you are using, plug the other end of the adapter into a standard AC outlet or a 12V power source.





You can listen to your CD player by connecting optional earphones, headphones, or amplified speakers to the CD player's **PHONES** jack, or by connecting a home audio or vehicle's sound system to the CD player's **LINE OUT** jack.

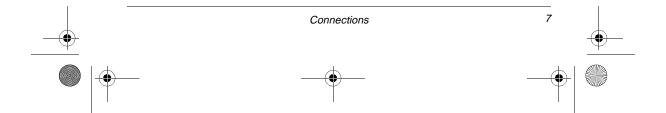
Note: If the jacks on your equipment do not match the plugs on the supplied Y-cable, check with your local RadioShack store for the proper cable adapter.

CONNECTING EARPHONES OR HEADPHONES

For private listening, connect optional earphones or headphones with a ¹/₈-inch (3.5-mm) plug into the **PHONES** jack on the CD player.

Listening Safely

To protect your hearing, follow these guidelines when you use an earphone or headphones.











- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- · Do not listen at extremely high volume levels. Extended highvolume listening can lead to permanent hearing loss.
- · Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

Do not wear an earphone or headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.

Even though some earphones or headphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

CONNECTING AMPLIFIED SPEAKERS

You can listen to your CD player through amplified speakers. Plug the speaker cable's ¹/₈-inch (3.5-mm) plug into the CD player's PHONES jack.

CONNECTING TO A HOME AUDIO SYSTEM

You can listen to your CD player through your home audio system's amplifier/receiver and full-size speakers. Connect the supplied Y-cable's ¹/₈-inch (3.5-mm) plug to the CD player's LINE OUT jack. Then connect the Y-cable's phono plugs to your audio system's left (white) and right (red) CD, AUX, or TV audio input jacks.

CONNECTING TO AN AUTO SOUND SYSTEM

You can listen to your CD player through your vehicle's sound system in one of the following ways:

- If your auto sound system has LINE IN jacks, connect the supplied Y-cable's ¹/₈-inch (3.5-mm) plug to the CD player's LINE OUT jack. Then connect the Y-cable's phono plugs to your auto sound system's LINE IN input jacks.
- · If your auto sound system has a CD input jack, connect one end of a 1/8-inch (3.5-mm) stereo patch cable to the CD player's LINE OUT jack. Then connect the other end to your auto sound system's CD INPUT jack.

To avoid sound distortion, set VOL-UME to the lowest comfortable listening level and adjust it as necessary.



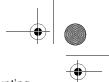


Connections











Note: You can mount your CD player in your car using an optional mounting bracket. Your local RadioShack

store has a complete line of mounting brackets and hardware.

□ Operation

LOADING A CD

Caution: To help prevent dust from entering the CD player, always keep the CD compartment cover closed, except when loading or unloading CDs.

Remove the protective sheet inside the CD compartment before operating the CD player.

- 1. Press **OPEN** to open the CD compartment door.
- Carefully place a CD, label side up, over the center hub inside the CD compartment. Then gently press the CD down over the center hub.
- 3. Close the compartment cover.

The CD begins to play after -- and the total track number and play time appear briefly, if power is on. If power is not on, press **>1**.

Note: To remove a CD, lift up the CD while pressing down on the center hub.

PLAYING A CD

Warning: To protect your hearing if you are using earphones or headphones, set **VOLUME** to its lowest setting before you play a CD.

Press >II. The CD player automatically turns on, 10 SEC and the antishock icon appears, then -- flashes. The total

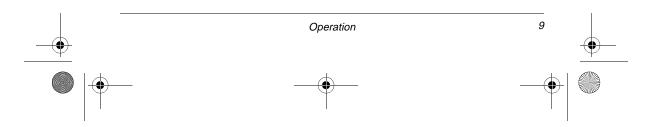


number of tracks and total play time appear briefly. Then track 1 begins to play.

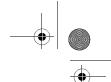
If you connected earphones, headphones, or amplified speakers to the CD player's PHONES jack, use VOL-UME on the CD player to adjust the volume.

If you connected the CD player to your home audio system or vehicle's sound system using the LINE OUT jack, you must use the home audio or auto sound system's volume control to adjust the volume.

To temporarily stop play, press **III.** The elapsed time flashes. To resume play, press **III.** again.









When the last track finishes playing, the CD stops and the display shows the total number of tracks and total playing time of the CD for about 30 seconds, then the CD player automatically turns off. To turn it off sooner, press .

USING SUPER ANTI-SHOCK SYSTEM (SAS)

Your CD player has a special circuit to overcome sound skipping problems caused by shock or vibration. This means you can carry the CD player anywhere you go, or use it in your vehicle. When you turn on the anti-shock system, the CD player continuously saves 10 seconds of music in its memory. During a shock or vibration that would normally make a track skip or pause, the CD player plays directly from memory.

The CD player is preset to turn on the anti-shock system at start up. Repeatedly press SAS to turn anti-shock on or off. The anti-shock icon appears when anti-shock is on.

Notes:

- · The CD player consumes additional battery power when you use the anti-shock system. When you use the CD player in a stable location, turn off anti-shock to save battery power.
- · When you press SAS to turn antishock on or off, the CD player's

sound briefly cuts out for about 2 seconds.

USING AUTOMATIC SEARCH MUSIC SYSTEM (ASMS)

You can use ASMS before or during regular or programmed play to quickly locate any track on a CD.

While the CD is stopped, repeatedly press or to move backward or forward to the desired track. Press to play the desired track.

beginning of the current track. Press twice to return to the beginning of the previous track. To move to the beginning of the next track, press >> 1.

LOCKING THE CONTROLS

You can protect your CD player from accidental program changes by locking all controls (except E-BASS ON/ OFF, VOLUME, and OPEN).

To lock the controls, slide HOLD to ON. HOLD appears.

To turn off hold, slide HOLD ON/OFF to OFF.

USING E-BASS

To enhance the bass sound (when connecting headphones or external speakers using the PHONES jack),























slide E-BASS ON/OFF to ON. To return to normal bass sound, slide E-BASS ON/OFF to OFF.

USING AUDIBLE SEARCH

To search forward or backward during play, hold down ◄ or ►. The CD plays rapidly and you hear the sound at a faster speed and lower volume.

Release ◄ or ▶ to resume normal play.

Note: If you hold down or ▶ while the last track is playing, audible search stops at the end of the last track. If you hold down ◄ during the first track, audible search stops at the beginning of the first track, then begins playing track 1.

USING INTRO SCAN

You can set the CD player to play the first 10 seconds of each track on the CD, so you can find the track you want to listen to.

To begin scanning while a CD is playing, repeatedly press MODE until INTRO flashes. Intro scan starts after the current track ends.

To begin scanning from the first track, repeatedly press MODE until INTRO appears, then press >II. Intro scan starts from the first track.

When you find the track you want to play, press ►...

Note: You can use **I**◀ or **>>** to skip through the tracks during scanning.

USING REPEAT PLAY

You can repeat a single track on the CD, all tracks on the CD, or a programmed sequence (see "Using Programmed Play" on Page 12).

To repeat a single track, press MODE while the desired track is playing so 1 appears. The CD player continuously replays the selected track.

To repeat all tracks on a CD or in a programmed sequence, repeatedly press MODE until ALL appears.

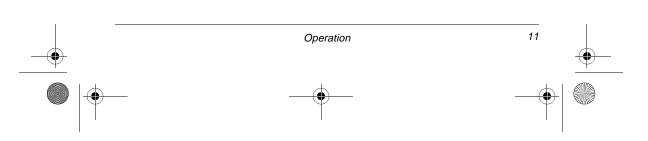
When the CD player reaches the end of the CD or the programmed sequence, it returns to the first track and replays all the tracks.

To cancel repeat play, repeatedly press **MODE** until **1** or **1** or **1** ALL disappears.

USING RANDOM PLAY

You can have the CD player randomly play all the tracks (once in random order), then automatically stop.

To start random play, repeatedly press MODE until SHUFF appears, then press ▶Ⅲ.











To start random play from the current track, repeatedly press MODE until SHUFF appears. Random play begins after the current track ends.

To cancel random play, repeatedly press MODE until SHUFF disappears.

USING PROGRAMMED PLAY

You can program up to 20 tracks from the loaded CD to play in any order you choose (you can program the same track to play more than once).

- 1. While power is on, repeatedly press PROG. PROG flashes on the display.
- 2. Repeatedly press either or >> to display the number of the first track you want to store.
- 3. Press PROG again to store the selected track number and advance to the next selection number.

Note: If the CD is playing while you are programming and you press

to cancel program mode, the CD continues play.

4. Repeat Steps 2 and 3 for each track you want to store, up to 20 tracks in all.

Note: If you try to store more than 20 tracks in memory, the CD player stores each consecutive track over the first tracks stored.

5. To play the programmed sequence, press VIII. The first track in the sequence plays.

While the sequence plays, you can press or ▶ to move backward or forward in the sequence.

6. After the last programmed track ends, the CD player stops. To stop the CD sooner, press .

You can replay the programmed sequence within 30 seconds after play stops. Otherwise, the CD player turns off and clears the programmed sequence.

To replay the programmed sequence, press PROG so PROG flashes, then press ►/II.

To review the programmed track numbers after programming, press **PROG** repeatedly.

To clear the programmed sequence from memory, press ■ twice or open the CD compartment cover.





















Troubleshooting

If you have problems operating your CD player, try these suggestions. If they do not solve the problem, contact your local RadioShack service center for assistance.

Problem	Possible Cause	Solution
The CD player does not work.	The CD Player is set to HOLD .	Slide HOLD in the opposite direction of the arrow.
	No power.	Make sure the batteries are fresh.
		Make sure the AC or DC adapter is properly connected. See "Using AC or DC Power" on Page 6.
		If you are using a DC adapter to power the DC player, make sure the adapter's fuse has not blown.
A CD is loaded, but the CD player does not start.	The CD is loaded upside-down.	Reload the CD, label side up.
	The CD is dirty or defective.	Clean the CD and reload it, or try a dif- ferent CD. See "CD Care Tips" on Page 14.
The CD's sound skips.	The CD is dirty or defective.	Clean the CD and reload it, or try a dif- ferent CD. See "CD Care Tips" on Page 14.
	Vibration is excessive.	Turn on anti-shock. See "Using Super Anti-Shock System (SAS)" on Page 10.
		Place the CD player in a different location.
	Moisture has condensed on the pickup lens.	Wait 1 hour for the moisture to evaporate.









Troubleshooting















Care and Maintenance

Keep the CD player dry; if it gets wet, wipe it dry immediately. Use and store the CD player only in normal temperature environments. Handle the CD player carefully; do not drop it. Keep the CD player away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the CD player's internal components can cause a malfunction and might invalidate its warranty. If your CD player is not performing as it should, take it to your local RadioShack store for assistance.



Even though a compact disc is durable, treat the CD surface with care.

- Do not write on either side of the CD, particularly the non-label side (signals are read from the non-label side).
- Do not store CDs in high temperature or high humidity areas. They might warp.
- Keep CDs dry. A water drop can act as a lens and affect the laser beam's focus.
- Always handle a CD by the edges to avoid fingerprints and always keep it in its protective

case or sleeve when it is not in use. Fingerprints and scratches on the CD's surface can prevent the laser beam from correctly reading the digital information. If the CD gets scratched, use RadioShack CD repair kit to repair the disc.

- Keep the CD inside the CD player or in its protective case or sleeve when you are not playing it
- Never use chemicals such as record cleaning sprays, antistatic sprays or fluids, benzene, or thinner to clean CDs. These chemicals will permanently damage the plastic surface of the CD.

If a CD skips when you try to play it, the CD might be scratched. Your local RadioShack store sells a CD repair kit kit that might stop the skip. See "Troubleshooting" on Page 13.







Care and Maintenance













Specifications

Audio		
Frequenc	y Response	20–20,000 Hz (±3 dB)
	Range	
Signal-to-	Noise Ratio	80 dB
Harmonic	Distortion at 1 kHz	0.15%
	on at 1 kHz	
	es Output (10% THD at 32 Ω)	
Line Outp	out	0.6V
Signal Format	t	
	Frequency	
	pling	
	tion Number	
	sion Bit Rate	
Signal-Pro	ocessing Rate	352.8 kHz
Pick-Up	_	
	System	
,	ens Drive System	
•	ource	
•	gth	785 nm ±25nm
General		
Power Re	equirements DC 3V 2 AA Alkaline	or Rechargeable Ni-Cd Batteries (not supplied)
		DC Adapter (not supplied)
		AC Adapter (not supplied)
Power Co	onsumption	,
	ife (EIAJ Method)	
	ns (HWD)	
	,	(30 × 138.5 × 157 mm)
Weight (w	vithout batteries)	8.4 oz
- '	,	(238g)
		(2 00g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



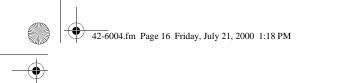


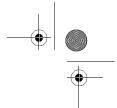






Specifications





Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack companyowned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RADIOSHACK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or the which your from

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell

12/99

